

Converting Colors

CIELCh(25, 99.023, 309.446)

Have a look what the booklet for
CIELCh(25, 99.023, 309.446)
contains.

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Color

CIELCh(25, 98.746, 309.318)

Conversions

Conversions Part 1

Format	Color
Hex	4200B4
RGB	66, 0, 180
RGB Percent	26%, 0%, 71%
CMY	0.7428, 1.0000, 0.2954
CMYK	0.63, 1.00, 0.00, 0.30
HSL	262°, 100%, 35%
HSV	262°, 100%, 70%
XYZ	10.4187, 4.4155, 43.3075
YIQ	40.2540, -18.4440, 69.9720

Conversions

Conversions Part 2

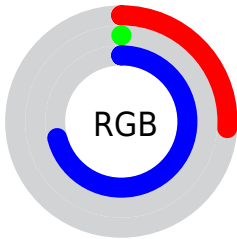
Format	Color
RYB	66, 0, 180
Decimal	4325556
CIELab	25.00, 62.57, -76.39
CIELCh	25, 98.746, 309.318
Yxy	4.4155, 0.1792, 0.0759
Android (android.graphics.Color)	4282515636 (0xFF4200B4)
YUV	40.2540, 68.8948, 22.5792
Hunter-Lab	21.0130, 51.7310, -107.4865

Details

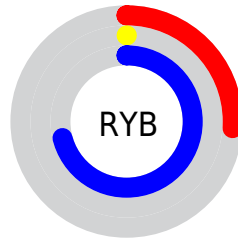
The CIELCh color **25, 98.746, 309.318** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **67, 80.208, 122.840**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 98.696, 309.271**, and **13, 79.367, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 98.641, 309.294**, and if you desaturate by 10%, it is **28, 93.472, 309.498**.

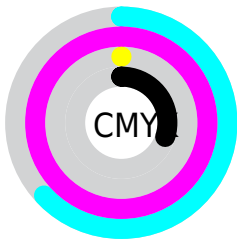
Distribution



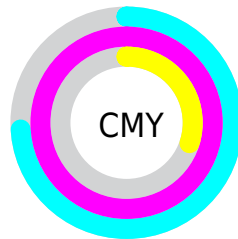
- Red (26%)
- Green (0%)
- Blue (71%)



- Red (26%)
- Yellow (0%)
- Blue (71%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (74%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 98.746, 309.318 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 25, 98.746, 309.318 by changing the saturation by 10% instead.

 25, 98.746,
309.318


 25, 98.746,
309.318

 100, 98.746,
309.318


 15, 98.746,
309.318


 45, 98.746,
309.318


 5, 98.746, 309.318

 55, 98.746,
309.318

 0, 98.746, 309.318

 65, 98.746,
309.318

 75, 98.746,
309.318

 85, 98.746,
309.318

 95, 98.746,

309.318

■ 25, 98.746,
309.318

■ 25, 98.746,
309.318

■ 25, 98.641,
309.294

■ 28, 93.472,
309.498

■ 31, 85.958,
309.366

■ 35, 76.348,
308.891

■ 40, 65.563,
308.224

■ 45, 54.285,
307.477

■ 51, 42.935,
306.723

■ 56, 31.745,
306.005

■ 62, 20.833,
305.344

■ 68, 10.249,
304.746

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25, 98.746, 309.318



67, 80.208, 122.840

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25, 98.746, 309.318



25, 98.746, 359.318



25, 98.746, 129.318



25, 98.746, 179.318

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25, 98.641, 309.294



72, 39.462, 306.041



47, 41.024, 264.730



35, 27.067, 306.334



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25, 98.641, 309.294



34, 120.700, 309.120



38, 89.942, 322.507



35, 5.767, 304.707



21, 87.482, 309.423



1, 13.599, 301.119

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39, 68.363, 349.899



52, 83.205, 350.416



64, 91.026, 135.157



35, 5.223, 337.675



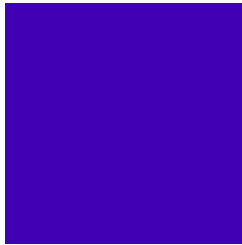
33, 60.868, 349.528



2, 11.593, 342.332

Previews

White Background



This preview shows how the CIELCh color 25, 98.746, 309.318 looks on a white background.

Color Contrast Check

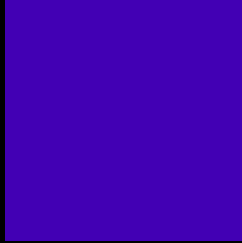
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 25, 98.746, 309.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

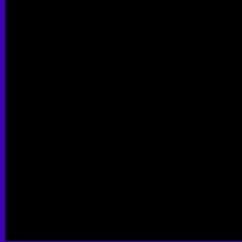
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 25, 98.746, 309.318

Background



This preview shows how black text looks on a background with the CIELCh color 25, 98.746, 309.318.



This preview shows how white text looks on a background with the CIELCh color 25, 98.746, 309.318.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25, 98.746, 309.318

Protanopia

26, 43.449, 284.763

Deuteranopia

26, 30.014, 269.823

Trichromacy



Original Color
25, 98.746, 309.318

Protanomaly
22, 70.079, 300.870

Deuteranomaly
22, 60.574, 298.727

Monochromacy



Original Color
25, 98.746, 309.318

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 45.347, 308.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 98.746, 309.318 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(66, 0, 180)` looks like.

```
.text, #text, p{  
    color:rgb(66, 0, 180)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(66, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 0, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 98.746, 309.318 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 0, 180) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(66, 0, 180) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(66, 0, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(66, 0, 180)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 98.746, 309.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 0, 180) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(66, 0,  
180) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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